



## YEARLY STATUS REPORT - 2022-2023

<b>Part A</b>	
<b>Data of the Institution</b>	
<b>1.Name of the Institution</b>	Muthayammal Engineering College (Autonomous)
• Name of the Head of the institution	Dr.M.Madheswaran
• Designation	Principal
• Does the institution function from its own campus?	Yes
• Phone No. of the Principal	04287226837
• Alternate phone No.	04287220837
• Mobile No. (Principal)	8754008537
• Registered e-mail ID (Principal)	principal@mec.edu.in
• Address	Kakkaveri, Rasipuram
• City/Town	Namakkal
• State/UT	Tamil Nadu
• Pin Code	637408
<b>2.Institutional status</b>	
• Autonomous Status (Provide the date of conferment of Autonomy)	27/05/2016
• Type of Institution	Co-education
• Location	Rural

• Financial Status	<b>Self-financing</b>				
• Name of the IQAC Co-ordinator/Director	<b>Dr.N.Suthanthira Vanitha</b>				
• Phone No.	<b>04287220837</b>				
• Mobile No:	<b>09965531515</b>				
• IQAC e-mail ID	<b>iqac@mec.edu.in</b>				
<b>3.Website address (Web link of the AQAR (Previous Academic Year)</b>	<a href="https://mec.edu.in/wp-content/uploads/2023/09/Yearly-Status-Report-2021-22.pdf">https://mec.edu.in/wp-content/uploads/2023/09/Yearly-Status-Report-2021-22.pdf</a>				
<b>4.Was the Academic Calendar prepared for that year?</b>	<b>Yes</b>				
• if yes, whether it is uploaded in the Institutional website Web link:	<a href="https://mec.edu.in/wp-content/uploads/2023/08/Academic-Calendar-2022-23.pdf">https://mec.edu.in/wp-content/uploads/2023/08/Academic-Calendar-2022-23.pdf</a>				
<b>5.Accreditation Details</b>					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
<b>Cycle 2</b>	<b>A</b>	<b>3.20</b>	<b>2022</b>	<b>18/10/2022</b>	<b>17/10/2027</b>
<b>Cycle 1</b>	<b>B</b>	<b>2.52</b>	<b>2016</b>	<b>17/03/2016</b>	<b>31/12/2021</b>
<b>6.Date of Establishment of IQAC</b>			<b>04/06/2016</b>		
<b>7.Provide the list of Special Status conferred by Central and/or State Government on the Institution/Department/Faculty/School (UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC, etc.)?</b>					

Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount
Dr.U.Saravankumar	Seminar	SERB	18/04/2023	Rs. 1,00,000
Dr.M.Harikaran	Project	TNSCST	15/11/2023	Rs.7,500
Dr.U.Saravankumar	International Conference	SERB	24/07/2023	Rs. 1,00,000
Dr.T.Aravind	Symposium	SERB	10/02/2023	Rs.70,000
Dr. R.Prakash	Seminar	SERB	10/05/2023	Rs.75,000
Dr.R.Raja	Seminar	SERB	18/04/2023	Rs.70,000
Dr.P.Suresh	MAS-JDS	AICTE	27/07/2022	Rs. 2,00,000
Dr.P.Suresh	International Conference	SERB	19/12/2022	Rs. 1,00,000
Dr.P.Suresh	Workshop	CSIR	15/09/2022	Rs. 20,000

#### 8.Provide details regarding the composition of the IQAC:

<ul style="list-style-type: none"> <li>Upload the latest notification regarding the composition of the IQAC by the HEI</li> </ul>	<a href="#">View File</a>	
<b>9.No. of IQAC meetings held during the year</b>	<b>04</b>	
<ul style="list-style-type: none"> <li>Were the minutes of IQAC meeting(s) and compliance to the decisions taken uploaded on the institutional website?</li> </ul>	<b>Yes</b>	
<ul style="list-style-type: none"> <li>If No, please upload the minutes of the meeting(s) and Action Taken Report</li> </ul>	No File Uploaded	
<b>10.Did IQAC receive funding from any funding agency to support its activities during the year?</b>	<b>No</b>	

- If yes, mention the amount

**11. Significant contributions made by IQAC during the current year (maximum five bullets)**

- Coordinated Board of Studies and Academic Council Meetings
- Conducted Academic and Administrative Audits
- Motivated Faculty Members for Research Proposal, Publications, Filing of Patents and Consultancy Work
- Innovative Practices are implemented for Faculty and Student
- Participated in Institution Ranking and Awards

**12. Plan of action chalked out by IQAC at the beginning of the academic year towards quality enhancement and the outcome achieved by the end of the academic year:**

Plan of Action	Achievements/Outcomes
MHRD-AISHE (2021-22)	MHRD- All India Survey on Higher Education (AISHE) submitted
AICTE Approval Process	Extension of Approval received from AICTE
Anna University Affiliation Process	Anna University Affiliation received
AICTE Idea Lab	Muthayammal Engineering College is one among the 49 Institutions identified in India for establishing the AICTE Idea Lab
NIRF- 2023	Participated in NIRF Ranking 2023 in Engineering Category
Submission Process of AQAR(2021-22)	Received acceptance for AQAR(2021-22) from NAAC
Institutional Ranking	Participated in various Magazine Rankings like, India Today-MDRA,GHRDC CSR,Career 360 Degree, The Week ,Data Quest and Times Engineering Best College Survey.
Programs were planned to organise under ProPlan,ProTech,ProCentre and ProSoCC for the benefit of Faculty and Students	Programs and various events are conducted for the Staff and Students. Professional Development and knowledge enrichment of Staff and Students were enhanced.
Academic and Administrative Audit(AAA)	Academic and Administrative Audit (AAA) were Conducted and corrective measures were taken.
Stakeholders Feedback	Feedback collected from all stakeholders and corrective actions were initiated for quality enhancement

**13. Was the AQAR placed before the statutory body?**

**Yes**

- Name of the statutory body

Name of the statutory body	Date of meeting(s)
Governing Council	25/06/2023
<b>14. Was the institutional data submitted to AISHE ?</b>	Yes
<ul style="list-style-type: none"> <li>Year</li> </ul>	
Year	Date of Submission
2023	15/02/2023
<b>15. Multidisciplinary / interdisciplinary</b>	
<ul style="list-style-type: none"> <li>Institution has structured system for the Design and Implementation of Curriculum and Syllabi for UG and PG Programmes of all the Departments under Choice Based Credit System (CBCS)</li> <li>Courses in the Programmes are designed to focus on Multidisciplinary, Problem Solving, Design Thinking and Holistic understanding of Engineering</li> <li>Curriculum of all the Programmes are designed with the objective of developing the Competency, Integrity, Environmental Challenges, Moral and Ethical Values to the needs of Society</li> <li>MultiDisciplinary Lectures (MuDiL) is regular practice in the Institution to enhance the Inter-Departmental Collaboration among Faculty Members and Students</li> <li>MuDiL provides opportunity for the Faculty Members to share their knowledge with Students of other departments to come up with Interdisciplinary Ideas/Projects</li> </ul>	
<b>16. Academic bank of credits (ABC):</b>	
<ul style="list-style-type: none"> <li>Institution has registered in the National Academic Depository (NAD) portal as per guidelines of Ministry of Education and UGC</li> <li>Students are facing difficulties in getting the e-Copies of their Certificates, Mark Sheets and Academic Awards when they are lost or damaged</li> <li>With the support of NAD, the Academic Records of all the Students are maintained in the Academic Bank of Credits</li> </ul>	

- Educational Institutions, Employers and Students can easily access through Online, which eliminates the Physical Verification for Higher Studies and Job Opportunities
- Digital Depository supports to retrieve/verify the documents without fraudulent practices
- Faculty Members are encouraged to prepare Digital Contents on Technical Topics and maintain in Muthayammal Virtual Learning Centre (MVLC)
- Institution implemented Innovative Practice - Semester wise Student Target Activities (SeSTA) for Students to enhance the number of participation in various activities and to expand the network among the Students and Domain Experts in other Institutions and Industries
- Each participation is awarded credit points and calculated semester wise. Credit targets for each Semester for all the Departments are finalized based on the number of Students on roll in the Department and monitored

#### **17.Skill development:**

- Institution strengthen the Soft Skills of Students by offering various training modules to meet the Industry needs
- Value Added/ Skill Development Courses (VAC) are conducted by Technology Learning Group Leads in addition to the regular Academic Learning
- Value Added Courses are identified on various topics demanded by the Industries as well as the students
- Industrial Certification focuses on Training the Students in Cutting Edge Technologies to meet the Industry Expectations
- Industry Interface has been established and utilized for training the students in various domains
- Students are encouraged to participate in Code Hackings, IDEA generation contests and Project Expo, Field Projects/Internships for Skill development
- Skill Development Activities are regularly organized for the benefit of students

#### **18.Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)**

- Institution integrates Cross-Cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability to the Students through Curriculum
- Essay Writing, Elocution Competitions are conducted in Regional Languages and recognized with prizes during Independence Day and Republic Day Celebrations
- Programs are organized through Fine Arts Club, Tamil Mandrum,

English Literary Club, Humanitarian Club, Hobby Club, Yoga and Meditation Club for the Students to protect our culture heritage

- Institution trained the Faculty Members to provide the classroom delivery in Bilingual mode
- Clubs/Cells are established in the Institution to promote the Good Practices among students

**19.Focus on Outcome based education (OBE):Focus on Outcome based education (OBE):**

- Program Educational Objectives (PEOs) and Program Outcomes (POs) are set in accordance with Outcome Based Education (OBE) in line with accreditation authorities
- PEOs and POs are carefully designed by considering the academic context and input from stakeholders
- Curriculum and Syllabus are framed according to the POs of respective program. Courses are included in the curriculum to attain the said program outcomes. Each course will have Course Outcomes (COs) which are perfectly matched with POs
- CO levels corresponding to each PO are averaged to obtain overall CO level for each PO and this is repeated for all courses
- PEOs, POs, and COs are described ,incorporated in the curriculum and disseminated

**20.Distance education/online education:**

- Innovative Teaching Methodology is adopted in the Institution to enhance the learning capability of Students in Pandemic
- Online Platforms like Webinarjam , Google Meet, Google Class , Cisco Webex and Zoom are used for Teaching which promotes the Blended Learning
- Institution pertains the good practice in Online Education in view of NEP2020, by encouraging Faculty Members and Students for the Online Certification Courses like NPTEL, Coursera, Udemy offered by National and International Organizations
- Credit Transfer for Online Certification is implemented in the Autonomous System. The Students are encouraged to register for NPTEL/MOOC Courses. The credits earned are transferred for Curriculum Courses

**Extended Profile**

**1.Programme**



1.1	17
Number of programmes offered during the year:	
File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>
<b>2.Student</b>	
2.1	3903
Total number of students during the year:	
File Description	Documents
Institutional data in Prescribed format	<a href="#">View File</a>
2.2	947
Number of outgoing / final year students during the year:	
File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>
2.3	3897
Number of students who appeared for the examinations conducted by the institution during the year:	
File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>
<b>3.Academic</b>	
3.1	948
Number of courses in all programmes during the year:	
File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>
3.2	289
Number of full-time teachers during the year:	

File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>
3.3 Number of sanctioned posts for the year:	289
<b>4.Institution</b>	
4.1 Number of seats earmarked for reserved categories as per GOI/State Government during the year:	838
4.2 Total number of Classrooms and Seminar halls	81
4.3 Total number of computers on campus for academic purposes	940
4.4 Total expenditure, excluding salary, during the year (INR in Lakhs):	2429.02
<b>Part B</b>	
<b>CURRICULAR ASPECTS</b>	
<b>1.1 - Curriculum Design and Development</b>	
1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which are reflected in Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) of the various Programmes offered by the Institution.	
<p>Muthayammal Engineering College has grown as a reputed Institution offering diverse academic programmes having direct relevance to the Local, Regional,National and Global Developmental needs.</p> <ul style="list-style-type: none"> <li>• Curriculum is designed and implemented as per the norms prescribed by UGC, AICTE and Anna University,Chennai which is the affiliating University.</li> <li>• Relevance of Local, Regional, National and Global Developmental needs are considered for developing the PEOs,POs and COs</li> <li>• Curriculum and Syllabi are considered and developed for all</li> </ul>	

disciplines by the Board of Studies considering on inputs from various Stakeholders and approved by Academic Council

- Curriculum is implemented to accomplish the PEOs, POs, PSOs and COs of all the Programmes
- Ensured the effective implementation of Outcome Based Education (OBE)
- Choice Based Credit System (CBCS) is followed to encourage the students to learn MultiDisciplinary Domains
- Harmony with National and Global desires the Institution has rightly introduced B.E/B.Tech Programmes in emerging areas like Cyber Security, AI and Data Science, Robotics and Automation
- Courses of various Programmes have significant focus on Multidisciplinary Aspects, Problem Solving Skills, Design Thinking and Holistic Understanding of Engineering

File Description	Documents
Upload additional information, if any	<a href="#">View File</a>
Link for additional information	<a href="https://mec.edu.in/">https://mec.edu.in/</a>

### 1.1.2 - Number of Programmes where syllabus revision was carried out during the year

0

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	<a href="#">View File</a>
Details of syllabus revision during the year	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 1.1.3 - Number of courses focusing on employability/entrepreneurship/ skill development offered by the Institution during the year

948

File Description	Documents
Curriculum / Syllabus of such courses	<a href="#">View File</a>
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	<a href="#">View File</a>
MoUs with relevant organizations for these courses, if any	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

## 1.2 - Academic Flexibility

### 1.2.1 - Number of new courses introduced across all programmes offered during the year

150

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Institutional data in prescribed format (Data Template)	<a href="#">View File</a>

### 1.2.2 - Number of Programmes offered through Choice Based Credit System (CBCS)/Elective Course System

17

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
List of Add on /Certificate programs (Data Template)	<a href="#">View File</a>

## 1.3 - Curriculum Enrichment

1.3.1 - Institution integrates cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, and Human Values into the curriculum

**Institution Integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability to the**

Students through various Courses in the Curriculum. Awareness programs are organized to students through various clubs and cells relevant to gender equity and discrimination, environmental changes, humanity and ethics, etc.

- Courses Integrated in the Curriculum with relevant to Professional Ethics and Human Values are offered in the Curriculum to enrich the basics Ethics to the Students
- Courses Integrated in the Curriculum with relevant to Environment and Sustainability included, Environmental Science and Engineering, Water Resources Engineering, Industrial Waste Management, Air Pollution and Management, Biosafety and Hazard Management, Renewable Energy Sources, Disaster Management, Environmental Engineering, Energy Technology, etc.,
- Courses relevant to like Environment and Sustainability enhance the ability of the Students to find the solution for the real time issues accordingly to Environmental Safety and Sustainability.
- Courses Integrated with relevant to Gender includes, Life Skills and Workplace Psychology
- and Human Rights are offered to the Students and apart from the Courses,
- Institution has Women Empowerment Cell, Internal Compliance Committee and Anti Ragging Committee for the needs of students. Various awareness programs are conducted through Women Empowerment Cell and Yoga and Meditation Club.
- In addition to the above Courses, the Students are involved in the National Service Scheme and Youth Red Cross activities and enhance their society responsibility through outreach activities

File Description	Documents
Upload the list and description of the courses which address issues related to Gender, Environment and Sustainability, Human Values and Professional Ethics in the curriculum	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 1.3.2 - Number of value-added courses for imparting transferable and life skills offered during the year

49

File Description	Documents
List of value-added courses	<a href="#">View File</a>
Brochure or any other document relating to value-added courses	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**1.3.3 - Number of students enrolled in the courses under 1.3.2 above****2436**

File Description	Documents
List of students enrolled	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**1.3.4 - Number of students undertaking field work/projects/ internships / student projects****1847**

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**1.4 - Feedback System**

**1.4.1 - Structured feedback and review of the syllabus (semester-wise / year-wise) is obtained from 1) Students 2) Teachers 3) Employers and 4) Alumni**

**A. All 4 of the above**

File Description	Documents
Provide the URL for stakeholders' feedback report	<a href="https://mec.edu.in/wp-content/uploads/2024/02/Feedback-Analysis-and-Action-Taken-Report-2022-23.pdf">https://mec.edu.in/wp-content/uploads/2024/02/Feedback-Analysis-and-Action-Taken-Report-2022-23.pdf</a>
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

#### 1.4.2 - The feedback system of the Institution comprises the following

A. Feedback collected, analysed and action taken made available on the website

File Description	Documents
Provide URL for stakeholders' feedback report	<a href="https://mec.edu.in/wp-content/uploads/2024/02/Feedback-Analysis-and-Action-Taken-Report-2022-23-1.pdf">https://mec.edu.in/wp-content/uploads/2024/02/Feedback-Analysis-and-Action-Taken-Report-2022-23-1.pdf</a>
Any additional information	<a href="#">View File</a>

### TEACHING-LEARNING AND EVALUATION

#### 2.1 - Student Enrollment and Profile

##### 2.1.1 - Enrolment of Students

##### 2.1.1.1 - Number of students admitted (year-wise) during the year

1070

File Description	Documents
Any additional information	<a href="#">View File</a>
Institutional data in prescribed format	<a href="#">View File</a>

##### 2.1.2 - Number of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc.) as per the reservation policy during the year (exclusive of supernumerary seats)

921

File Description	Documents
Any additional information	<a href="#">View File</a>
Number of seats filled against seats reserved (Data Template)	<a href="#">View File</a>

## 2.2 - Catering to Student Diversity

2.2.1 - The institution assesses students' learning levels and organises special programmes for both slow and advanced learners.

### Assessment of students learning levels are assessed at entry level

- Learning Levels of the admitted Students are assessed through the Bridge Course
- Students after categorized based on the diagnostic test conducted after the Bridge Course
- Diagnostic test is conducted on the ability in Mathematics and English. On the basis of the Performance, Students are categorized as Advanced Learners and those who got less than 50% are considered as Slow Learners
- Assessment during Programme: Continuous Internal Assessment (CIA) Test marks and the Previous Semester Performance are considered to identify the Slow and Advanced Learners
- Interaction with the Students are made to analyze the factors influencing their Performance

### Initiatives for Advanced Learners

- Students are encouraged for NPTEL Online Certification Course, Professional Membership, TechTalks.
- Providing additional skills for enhancing the employability in multiple domain
- Internship, Inplant Training, Value Added Courses, Higher Education, Competitive Examinations and Foreign Language Training

### Initiative/Activities for Slow Learners

- Identifying Motivating them for learning through mentoring
- Remedial Classes for improvement
- Student Mentors are assigned to create comfort for the Slow Learners
- Learning materials are provided to Student's and Performance is monitored further communicated to parents
- Mentoring System is to support, counsel and guide the students



for improving their overall personality.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://mec.edu.in/agar/2022-23/Criterion-2/2.2.1-%20Bridge%20Course.pdf">https://mec.edu.in/agar/2022-23/Criterion-2/2.2.1-%20Bridge%20Course.pdf</a>

### 2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
31/05/2023	3903	289

File Description	Documents
Upload any additional information	<a href="#">View File</a>

### 2.3 - Teaching- Learning Process

2.3.1 - Student-centric methods such as experiential learning, participative learning and problem-solving methodologies are used for enhancing learning experiences:

**Student's Centric Learning Methods include Experiential Learning, Participative Learning and Problem Solving Approach, Design Thinking, Technical Talks and Participation in Competitions.**

- **Experiential Learning Methodologies like, Industrial Visits, In-Plant Training and Internships are provided among the Students**
- **40% of the Curriculum is designed with Laboratory Courses and focus on Employability/ Entrepreneurship/ Skill Development which attributes for Experiential Learning**
- **Practice of learning by doing make the students to showcase their knowledge by participating in various contests**
- **Industry Linked Laboratories are established to enhance the collaboration with industries**
- **Entrepreneur and Start-Ups: Industry experts guide the students to excel Incubation ideas**
- **Participative Learning Methodologies like, Tech Talks, Group Discussions, Role Play, Poster Presentation, Quiz, Assignments, Debate, Team Building Exercise**
- **Muthayammal Virtual Learning Centre is the repository for the students learning resource**
- **Students are actively involved in various Clubs, Cells and**

Forums for organizing events like Symposium, Seminars, Conferences, Workshops and Inter-Institute Competitions, etc.

- Students register for Online NPTEL Courses and received certificates
- Problem Solving Methodologies provides support to the students towards complex problems, critical thinking and analytical skills
- Problem solving ability of the students is improved through analytical courses
- Students participation in Innovation Design Contest, Smart India Hackathon and Project Expo are in practice

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Link for additional Information	<a href="https://mec.edu.in/agar/2022-23/Criterion-2/2.3.1-Student-Centric%20Methods.pdf">https://mec.edu.in/agar/2022-23/Criterion-2/2.3.1-Student-Centric%20Methods.pdf</a>

### 2.3.2 - Teachers use ICT-enabled tools including online resources for effective teaching and learning

ICT has become an integral part of the Teaching-Learning Process

- Muthayammal Virtual Learning Centre is the virtual learning platform where the learning materials are made available to the students
- Smart Classroom, Smart boards, LCD Projectors are available to facilitate Technical Presentations and Videos
- E-Learning Resources like DELNET, IEEE, J-GATE and DIRF, invention SAGE publication for the enhancement of Teaching and Learning activities
- Free online accessible platforms such as Google Classroom, Open Edx, Google Meet, Cisco WebEx and Microsoft Team are used for Learning and Assessment
- English Communication Skill Lab- Students Listening, Reading and Writing Skills are developed
- Seminar Halls and Discussion Halls are used for conducting Seminars/Workshops/FDPs/Technical Discussions/Presentations/ other events

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	<a href="https://mec.edu.in/agar/2022-23/Criterion-2/2.3.2-ICT%20Enabled%20Tools.pdf">https://mec.edu.in/agar/2022-23/Criterion-2/2.3.2-ICT%20Enabled%20Tools.pdf</a>
Upload any additional information	<a href="#">View File</a>

### 2.3.3 - Ratio of students to mentor for academic and other related issues

#### 2.3.3.1 - Number of mentors

289

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	<a href="#">View File</a>
Circulars with regard to assigning mentors to mentees	<a href="#">View File</a>

### 2.3.4 - Preparation and adherence to Academic Calendar and Teaching Plans by the institution

- Academic Calendar is prepared at the beginning of semester to take the future course of action
- Academic Committee along with the Principal, approves the Academic Calendar and disseminated via Institution Website and Notice Boards of all Departments.
- Academic schedule consists of semester wise academic activities which includes Commencement of Classes, Continuous Internal Assessment, Reopening and Last Working Day, End Semester Practical's and Theory Exams, Project Works, Internships, Viva Voce, List of Events and Holidays
- Lesson Plan is prepared by the Faculty Members with Course Objectives and Course Outcomes. Delivery Modes are discussed by the Course Faculty
- Timetable Coordinator prepares the timetable before the Commencement of Classes and shared to the Faculty Members
- Lab Manuals are prepared and issued to Students by the Course Faculty. The Laboratory Records are evaluated after the completion of experiment
- Written Oral Communication Examination -Learning and Practicing is to ensure that the Students learn the concepts

in all subjects without any ambiguity.

- Adherence of Academic Calendar and Teaching Plans, academic activities are monitored by academic committee and report on academic activities is submitted to the Principal at the end of last working day
- Teaching Plans are monitored by the HoD recorded in Faculty Log Book

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	<a href="#">View File</a>

## 2.4 - Teacher Profile and Quality

### 2.4.1 - Number of full-time teachers against sanctioned posts during the year

289

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	<a href="#">View File</a>
List of the faculty members authenticated by the Head of HEI	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 2.4.2 - Number of full-time teachers with PhD/ D.M. / M.Ch. / D.N.B Super-Specialty / DSc / DLitt during the year

94

File Description	Documents
List of number of full-time teachers with PhD./ D.M. / M.Ch. / D.N.B Super-Specialty / D.Sc. / D.Litt. and number of full-time teachers for 5 years	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 2.4.3 - Total teaching experience of full-time teachers in the same institution: (Full-time teachers' total teaching experience in the current institution)

1311

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

## 2.5 - Evaluation Process and Reforms

### 2.5.1 - Number of days from the date of last semester-end/ year- end examination till the declaration of results during the year

19

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 2.5.2 - Number of students' complaints/grievances against evaluation against the total number who appeared in the examinations during the year

0

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

2.5.3 - IT integration and reforms in the examination procedures and processes including Continuous Internal Assessment (CIA) have brought in considerable improvement in the Examination Management System (EMS) of the Institution

- IT integration and reforms in the examination procedures and processes have showed improvement in Examination Management System. As per the guidelines of UGC, AICTE and Anna University the Regulations are framed and followed.
- Course Coordinator conducts the Course Committee Meeting to prepare Question Papers and key for the Continuous Internal

**Assessment (CIA) Test**

- Two sets of Question Papers are prepared as per the Revised Blooms Taxonomy
- End Semester Examination Question Papers are subjected to scrutiny. Answer keys are made available for all the courses during Central Valuation to ensure uniformity among all the Examiners
- End Semester Examination results are published after the Result Passing Board Meeting
- Examination transparency is ensured by providing Photo Copy of the Answer Scripts to the students. Revaluation is allowed and it can be challenged through a review process. End Semester Question Papers, Conduct of Central Valuation with Experienced Subject Experts (Internal and External)
- Examination Audit is conducted every semester to make sure the Quality of Question Papers, Evaluation and Transparency
- COE Administration includes (i) Online Pre Examination Process (ii) Online Post Examination Process Reports, Access Reports, Online Entries and Enquiries, Selection of Elective Subjects under CBCS

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://mec.edu.in/academics/controller-of-examinations/">https://mec.edu.in/academics/controller-of-examinations/</a>

**2.6 - Student Performance and Learning Outcomes**

2.6.1 - Programme Outcomes and Course Outcomes for all Programmes offered by the institution are stated and displayed on the website and communicated to teachers and students

- As per the requirements of UG and PG Programmes, Program Educational Objectives (PEOs) and Program Outcomes (POs) are set in accordance with Outcome Based Education(OBE) in line with Accreditation Authorities like NBA and NAAC
- PEOs and POs are carefully designed by considering the today's academic context and with input from Stakeholder Meetings
- Curriculum and Syllabus are framed according to the POs of respective Programme. Courses are included in the Curriculum to attain the Programme Outcomes. Each Course will have Course Outcomes (COs) which are perfectly matched with POs
- CO levels corresponding to each PO are averaged to obtain

overall CO level for each PO and this is repeated for all courses

- PEOs, POs, and COs are described very clearly and incorporated in the Curriculum Book given to Staffs and Students
- PEO's, PO's and PSO's are disseminated to Faculty and Students through

1. Institution Website

2. Curriculum & Syllabi Book

3. Department Notice Board

4. Faculty Cabin

5. Department Library

6. Department Laboratories

7. Department NewsLetters & Magazines

8. Brochures and Prospectus

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Link for additional Information	<a href="https://mec.edu.in/agar/2022-23/Criterion-2/2.6.1-%20PO%20and%20CO.pdf">https://mec.edu.in/agar/2022-23/Criterion-2/2.6.1-%20PO%20and%20CO.pdf</a>

#### 2.6.2 - Attainment of Programme Outcomes and Course Outcomes as evaluated by the institution

- COs and POs mapping is done and the expected level of attainment for each Course is fixed by the Course Coordinator
- Attainment of Course Outcome is calculated using the marks scored by the students
- Attainment of CO is assessed for every course based on the Assessment Pattern. Direct and Indirect Measurement Method provides a structured way to analyze the attainment of COs for each course

- Direct Assessment Tools such as Continuous Internal Assessment Test, End Semester Examinations, Assignments, Viva Voce are used for assessing the attainment of each COs
- Indirect assessment tools considered for calculating COs, POs and PSOs
- Assessment of CO attainment done through Direct and Indirect Assessment with weightage of 80% and 20% respectively. The Direct Assessment is done through CIA and End Semester Examination Indirect CO assessment is done through Course Exit Survey
- COs are mapped with POs as high, medium and low correlation levels. T
- POs and PSOs - Indirect Attainment level Calculation
- Attainment Level 1 (Indirect Attainment Value = 0.2) if the Total Score is < 50
- Attainment Level 2 (Indirect Attainment Value = 0.4) if the Total Score is from 51 to 70
- Attainment Level 3 (Indirect Attainment Value = 0.6) if the Total Score is > 71.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://mec.edu.in/aqar/2022-23/Criterion-2/2.6.2-Attainment%20of%20Programme%20Outcomes.pdf">https://mec.edu.in/aqar/2022-23/Criterion-2/2.6.2-Attainment%20of%20Programme%20Outcomes.pdf</a>

### 2.6.3 - Pass Percentage of students

#### 2.6.3.1 - Total number of final year students who passed in the examinations conducted by Institution

896



File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Paste link for the annual report	<a href="https://mec.edu.in/aqar/2022-23/Criterion-2/2.6.3-Annual%20Report.pdf">https://mec.edu.in/aqar/2022-23/Criterion-2/2.6.3-Annual%20Report.pdf</a>

## 2.7 - Student Satisfaction Survey

**2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire). Results and details need to be provided as a weblink**

[https://mec.edu.in/wp-content/uploads/2024/02/Student\\_Satisfaction\\_Survey\\_AY2022-23.pdf](https://mec.edu.in/wp-content/uploads/2024/02/Student_Satisfaction_Survey_AY2022-23.pdf)

## RESEARCH, INNOVATIONS AND EXTENSION

### 3.1 - Promotion of Research and Facilities

3.1.1 - The institution's research facilities are frequently updated and there is a well-defined policy for promotion of research which is uploaded on the institutional website and implemented

Institution has Research Policy to promote action-oriented and multidisciplinary research among Faculty Members, Research Scholars and Students. It provides necessary research facilities and a conducive environment for doing various research activities like, Publications, Patents and Product Development which are monitored by the Research Advisory Committee. The Committee comprises eminent professors from reputed Institutions like, IISc, IITs, NITs and CSIR-CECRI.

The Faculty Members involved in Research are provided with financial support to carry out research works and encourage them to implement their innovative ideas. Institution has provided Seed Money for various activities related with Research and Product Development. As a result, the faculty members published research articles, presented their research findings in various conferences, filed and granted patents and submitted proposals to funding agencies like AICTE, UGC, DST, CSIR, etc., for financial support. Received Grants from Government and Non-Government Agencies for various activities. The identified meritorious Research Works, Publications and Consultancy Works by Faculty Members are rewarded with incentives.

The Faculty Members with PhD degree are motivated to obtain the Supervisor Recognition from Anna University within 3 years from the award of the degree. The supervisors and the research scholars must follow research policy and ethics meticulously throughout their research work. The Department of Computer Science and Engineering, Electronics and Communication Engineering, Department of Electrical and Electronics Engineering and Department of Mechanical Engineering are recognized as Centres by Anna University, Chennai. Faculty are encouraged to collaborate with other reputed Institutions and Industries for Collaborative Research and Consultancy Works with MoUs.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	<a href="#">View File</a>
Provide URL of policy document on promotion of research uploaded on the website	<a href="https://mec.edu.in/research/muthayammal-research-promotion-policy-mrpp/">https://mec.edu.in/research/muthayammal-research-promotion-policy-mrpp/</a>
Any additional information	<a href="#">View File</a>

### 3.1.2 - The institution provides seed money to its teachers for research

#### 3.1.2.1 - Seed money provided by the institution to its teachers for research during the year (INR in lakhs)

6.9

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	<a href="#">View File</a>
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	<a href="#">View File</a>
List of teachers receiving grant and details of grant received	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 3.1.3 - Number of teachers who were awarded national / international fellowship(s) for advanced studies/research during the year

55

File Description	Documents
e-copies of the award letters of the teachers	<a href="#">View File</a>
List of teachers and details of their international fellowship(s)	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 3.2 - Resource Mobilization for Research

#### 3.2.1 - Grants received from Government and Non-Governmental agencies for research projects, endowments, Chairs during the year (INR in Lakhs)

18.916

File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	<a href="#">View File</a>
List of projects and grant details	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

#### 3.2.2 - Number of teachers having research projects during the year

75

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://serbonline.in/SERB/HomePage">https://serbonline.in/SERB/HomePage</a>
List of research projects during the year	<a href="#">View File</a>

#### 3.2.3 - Number of teachers recognised as research guides

27

File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	<a href="#">View File</a>
Institutional data in Prescribed format	<a href="#">View File</a>

### 3.2.4 - Number of departments having research projects funded by Government and Non-Government agencies during the year

14

File Description	Documents
Supporting document from Funding Agencies	<a href="#">View File</a>
Paste link to funding agencies' website	<a href="https://serbonline.in/SERB/HomePage">https://serbonline.in/SERB/HomePage</a>
Any additional information	<a href="#">View File</a>

### 3.3 - Innovation Ecosystem

3.3.1 - Institution has created an ecosystem for innovations and creation and transfer of knowledge supported by dedicated centres for research, entrepreneurship, community orientation, incubation, etc.

**Muthayammal Engineering College has created an Eco-System for Research and Innovation with the support of various Centres, Cells and Agencies**

Centre for Product Development and Consultancy promotes the conversion of Ideas into Products, educate the Students and Faculty Members on Product Lifecycle and train the Designers on the feasibility Study of making Products. Organizing more Programmes on Product Development Life Cycle, Product Survey

Centre for Patent Drafting and Filing promotes the Patent Filing of Innovative Ideas, Projects and Products and to motivate the Faculty Members as well as Students to register their Innovative Ideas.

Major Activities like, Creating Awareness about Intellectual Property Rights and Patents, Organizing Workshops, Seminars, Expert Lectures on Patent Drafting and Filing

Centre for Innovation and Design Thinking motivate the Students to generate ideas from the Students ,convert into real-time Projects

MHRDs Institution Innovation Council (IIC) Encourage, Inspire and Nurture Young Students by supporting them to work with new ideas and transform them into Prototypes and Products. The students are encouraged to attend the Programmes organized by MHRD`s IIC and My Idea Ambassadors interact with peer students for idea generation and plan for Startups.

Entrepreneurship Development Cell create awareness among the Students about Entrepreneurship through various activities.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://mec.edu.in/institutions-innovation-council/">https://mec.edu.in/institutions-innovation-council/</a>

### 3.3.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the year

204

File Description	Documents
Report of the events	<a href="#">View File</a>
List of workshops/seminars conducted during the year	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 3.4 - Research Publications and Awards

**3.4.1 - The Institution ensures implementation of its Code of Ethics for Research uploaded in the website through the following: Research Advisory Committee Ethics Committee Inclusion of Research Ethics in the research methodology course work Plagiarism check through authenticated software**

A. All of the above

File Description	Documents
Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 3.4.2 - Number of PhD candidates registered per teacher (as per the data given with regard to recognized PhD guides/ supervisors provided in Metric No. 3.2.3) during the year

#### 3.4.2.1 - Number of PhD students registered during the year

13

File Description	Documents
URL to the research page on HEI website	<a href="https://mec.edu.in/research/research-facilities/">https://mec.edu.in/research/research-facilities/</a>
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 3.4.3 - Number of research papers per teacher in CARE Journals notified on UGC website during the year

167

File Description	Documents
List of research papers by title, author, department, and year of publication	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 3.4.4 - Number of books and chapters in edited volumes / books published per teacher during the year

127

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://mec.edu.in/research/publications/">https://mec.edu.in/research/publications/</a>

### 3.4.5 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed

#### 3.4.5.1 - Total number of Citations in Scopus during the year

11356

File Description	Documents
Any additional information	<a href="#">View File</a>
Bibliometrics of the publications during the year	<a href="#">View File</a>

### 3.4.6 - Bibliometrics of the publications during the year based on Scopus/ Web of Science – h-Index of the University

#### 3.4.6.1 - h-index of Scopus during the year

40

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 3.5 - Consultancy

#### 3.5.1 - Revenue generated from consultancy and corporate training during the year (INR in lakhs)

2020007

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	<a href="#">View File</a>
List of consultants and revenue generated by them	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 3.5.2 - Total amount spent on developing facilities, training teachers and clerical/project staff for undertaking consultancy during the year

**7,56,335**

File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	<a href="#">View File</a>
List of training programmes, teachers and staff trained for undertaking consultancy	<a href="#">View File</a>
List of facilities and staff available for undertaking consultancy	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 3.6 - Extension Activities

3.6.1 - Extension activities carried out in the neighbourhood sensitising students to social issues for their holistic development, and the impact thereof during the year

Institution has made contribution to the society and environment by making students and staff participation in the Neighbourhood Community Network. Major prominence is specified to student engagement where students are educated with social responsibility to service the community. Extension activities are carried out through National Service Scheme (NSS) and Youth Red Cross (YRC) units. Students are trained physically and mentally to help the society who suffer from Illiteracy, Health, Ignorance, Poverty etc.,

As part of the Extension activities, NSS wing significant social activities are conducted for the benefit of Communities. Student



volunteers are involved in conducting various activities and Special Camps in the nearby villages like,

- National Farmers Day Celebration
- National Voters Day
- World AIDS Day
- Biodiversity and Conservation Seminar
- World Mountain Day Seminar
- Awareness on National Voters Day
- Campus Cleaning Awareness
- Tree Plantation
- Rain Water Harvesting
- Dos and Don'ts of social media
- Free Eye Camp
- Blood Donation Camp
- Health Check-up Camp

In addition traffic rules and regulations are inculcated among students to instill the importance of safeguarding human life.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="http://mec.edu.in/agar/2022-23/Criterion-3/3.6.1-%20Extension-Activities.pdf">mec.edu.in/agar/2022-23/Criterion-3/3.6.1-%20Extension-Activities.pdf</a>

### 3.6.2 - Number of awards and recognition received by the Institution, its teachers and students for extension activities from Government / Government-recognised bodies during the year

17

File Description	Documents
Number of awards for extension activities in during the year	<a href="#">View File</a>
e-copy of the award letters	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 3.6.3 - Number of extension and outreach programmes conducted by the institution through NSS/NCC/Red Cross/YRC, etc. during the year (including Government-initiated programmes such as Swachh Bharat, AIDS Awareness, and Gender Sensitization and those organised in collaboration with industry, community and NGOs)

36

File Description	Documents
Reports of the events organized	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**3.6.4 - Number of students participating in extension activities listed in 3.6.3 during the year**

3761

File Description	Documents
Reports of the events	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**3.7 - Collaboration****3.7.1 - Number of collaborative activities during the year for research/ faculty exchange/ student exchange/ internship/ on-the-job training/ project work**

321

File Description	Documents
Copies of documents highlighting collaboration	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**3.7.2 - Number of functional MoUs with institutions of national and/or international importance, other universities, industries, corporate houses, etc. during the year (only functional MoUs with ongoing activities to be considered)**

61

File Description	Documents
e-copies of the MoUs with institution/ industry/ corporate house	<a href="#">View File</a>
Details of functional MoUs with institutions of national, international importance, other institutions etc. during the year	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**INFRASTRUCTURE AND LEARNING RESOURCES**

## 4.1 - Physical Facilities

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching-learning, viz., classrooms, laboratories, computing equipments, etc.

Institution ensures adequate availability and optimal utilization of physical infrastructure by adhering to the rules and regulations of regulatory bodies which includes, Staff, Students, Laboratory Equipments, Built-up Area and Learning Resources. Institution has 78 class rooms with adequate ventilation for better learning environment to the students to meet academic ambience. 100% of ICT enabled class rooms, 62 laboratories and Industry Linked Laboratories are with latest equipments facilities. The Computer Science and Engineering, Electronics and Communication Engineering, Electrical and Electronics Engineering and Mechanical Engineering Departments are recognized as Research Centers by Anna University, Chennai.

The Central Library facilities are strengthened through continuous procurement of Textbooks and e-Resources for the enhancement of Teaching-Learning process of the Faculty Members and the Students. The Library Advisory Committee comprises of Senior Faculty Members and Student Members for the effective functioning of the Library Resources. The Library has Membership in DELNET, NDLI, American Library, British Council and Shodh Sindhu. Digital Resources like DELNET, NDLI, e-Books, e Journals, NPTEL Lectures, CD, Videos and reprographic facilities are available.

Computing Facilities with 940 Computers, sufficient number of printers and scanners. Internet Band width of 1Gpbs with Wi-Fi connectivity which are maintained by the System Administrator. The Faculty Members and Students use Licensed Software and Open Source Softwares. Additional Facilities such as, Drawing Hall, Seminar Halls with LCD Projector, Computer with Internet Connection, Podium and Public Address System, Training and Placement Cell, Medical Centre has Doctor, Attendant with 24 hours Ambulance Service Buses, like Lift, Ramp, ATM and other amenities facilities are available in the Campus.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://mec.edu.in/facilities/">https://mec.edu.in/facilities/</a>

4.1.2 - The institution has adequate facilities for cultural activities, yoga, sports and games (indoor and outdoor) including gymnasium, yoga centre, auditorium etc.)

The Institution has adequate facilities for cultural activities, yoga, games and sports to cater the need of students in extracurricular activities. The Physical Education Department conduct activities and train students to participate in various competitions at the Zonal, Inter-Zonal, State and National Level. Department has an area of 1,00,000 sq.ft and facilities for track and field events such as Long Jump, Shot-Put, High Jump, Hammer Throw, Javelin Throw and Discuss Throw to provide practice to the students for outdoor games. Also space for Outdoor sport activities such as Football, Handball, Ball Badminton, Badminton, Kabaddi, Kho Kho, Volley Ball and Cricket. Institution has facility for Indoor Games such as Chess, Carrom and Table Tennis. Intra and Inter-Collegiate Tournaments are conducted for the Students.

A well equipped fitness centre is available at the sports complex for students. It includes 10 station Multigym, Tread Mill, Double Side Twister, Gym Ball, Bench Press, Tumble, Spin Bike, Weighing Scale, Weight Lifting and Power Lifting. Yoga Centre is available inside the Campus with necessary facilities. Awareness Programs like, Art of Yoga, Yoga as a Effective Tool for Wellness National Seminar on Yoga for Youth, Yoga as a Powerful Tool and International Yoga Day, etc., are organized for the wellness of Staff and Students. Auditorium, Seminar Halls and Open Air Theatre is available for conducting various Cultural and other Extra-Curricular activities through Fine Arts Club, Tamil Mandram and Department Association.

File Description	Documents
Geotagged pictures	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://mec.edu.in/clubs-and-centres/yoga-and-meditation/">https://mec.edu.in/clubs-and-centres/yoga-and-meditation/</a>

**4.1.3 - Number of classrooms and seminar halls with ICT-enabled facilities**

81

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	<a href="#">View File</a>

#### 4.1.4 - Expenditure for infrastructure augmentation, excluding salary, during the year (INR in Lakhs)

2429.02

File Description	Documents
Upload audited utilization statements	<a href="#">View File</a>
Details of Expenditure, excluding salary, during the years	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

#### 4.2 - Library as a Learning Resource

##### 4.2.1 - Library is automated using Integrated Library Management System (ILMS)

Name of the ILMS Software : IMPRES

Nature of Automation (fully or partially) : Partially ,Version :5.0

Working Days: 8.30 AM to 8.00 PM

On Holidays : 9.00 AM to 6.00 PM

During Examinations :9.00 AM to 8.00 PM

Institution has Central Library with a Carpet area of 950.94 sq.m, with a seating capacity of 200 which provides conducive learning environment. Library has a large collection of 15,055 Titles and 59,638 Volumes of Textbooks and Reference Books. In addition, all Departments have their own Department Libraries managed by the Faculty Members.E-journal packages are subscribed through IEEE, ACM, J-GATE, DELNET and NISCAIR regularly. EBooks are subscribed through DELNET and NDLI. Other required Books are downloaded through Dspace Open Software and kept in the Library for both Faculty and Students access.

As part of the Library Service, the library has subscribed membership with DELNET, NDLI, British Council of Library, American Library Centre, e-Shodh Sindhu and Shodh Ganga. Library Service includes Reference Service, Bibliography Service, Current Awareness Service, Document Procurement Service, Periodical Issue Service, Online Public Access Catalogue (OPAC), Computerization of Library with Bar-Coding, Reprography, Book Bank, Digital Library and Books for Competitive Examinations are offered to enhance the Learning Levels of the Faculty Members and Students.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://mec.edu.in/academics/learning-centre/">https://mec.edu.in/academics/learning-centre/</a>

**4.2.2 - Institution has access to the following: e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access to e-resources**

A. Any 4 or more of the above

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

**4.2.3 - Expenditure on purchase of books/ e-books and subscription to journals/e-journals during the year (INR in lakhs)**

16.01

File Description	Documents
Audited statements of accounts	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Details of annual expenditure for purchase of books/e-books and journals/e-journals during the year (Data Template)	<a href="#">View File</a>

**4.2.4 - Usage of library by teachers and students (footfalls and login data for online access)**

**4.2.4.1 - Number of teachers and students using the library per day during the year**

585

File Description	Documents
Upload details of library usage by teachers and students	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**4.3 - IT Infrastructure**

4.3.1 - Institution has an IT policy covering Wi-Fi, cyber security, etc. and has allocated budget for updating its IT facilities

Institution has structured IT policy cover services like, Purchase, Maintenance, Campus Network, Internet Connectivity and Security. The computing facilities of about 940 computers are connected with LAN along with printers and scanners which is maintained by the System Administrator. Internet Bandwidth and Computers are upgraded to provide the best computational facilities to the students for conducting Laboratory Classes, Online Assessments, Training and Placement activities.

Wi-Fi enabled Campus with multiple access points to facilitate the Staff and Students use. The CCTV Surveillance resources in the campus and Hostels for safety purpose which is monitored regularly. Data Centre is available with the following Server Configurations in the Campus for the proper functioning of the computing facilities. Data Center which supports the IT Services for Student Admission and Support, Administration, Office of Controller of Examination, Library, Hostel Management, Finance and Accounts.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://mec.edu.in/wp-content/uploads/2022/05/IT-Policy.pdf">https://mec.edu.in/wp-content/uploads/2022/05/IT-Policy.pdf</a>

**4.3.2 - Student - Computer ratio**

Number of Students	Number of Computers
3903	940

File Description	Documents
Upload any additional information	<a href="#">View File</a>

**4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus**      **A. 750 Mbps**

File Description	Documents
Details of bandwidth available in the Institution	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

**4.3.4 - Institution has facilities for e-content development:                      Facilities available for e-content development Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing**      **A. All four of the above**

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://mec.edu.in/mvlc/index.html">https://mec.edu.in/mvlc/index.html</a>
List of facilities for e-content development (Data Template)	<a href="#">View File</a>

#### **4.4 - Maintenance of Campus Infrastructure**

**4.4.1 - Expenditure incurred on maintenance of physical and academic support facilities, excluding salary component, during the year (INR in lakhs)**

**2206.04**

File Description	Documents
Audited statements of accounts	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities – classrooms, laboratory, library, sports complex, computers, etc.



Institution has established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms Laboratories and Classrooms.

Laboratories Equipments and Machinery are periodically maintained by the Lab Technicians. Purchase of equipments and their maintenance in Laboratories are carried out by the department Stock Registers, Consumable Registers and Utilization Registers verified by the Audit Team every year. Based on the warranty, the supplier of the equipment/machinery will be intimated about the repair/service either in-house or in the supplier premises, based on the nature of fault. Technical Staff sends report to the Lab Incharge and HoD for further process. Class rooms are maintained with boards, LCD Projectors and Smart Boards to support various delivery modes of Innovative Techniques

Library facilities are strengthened every year through continuous procurement. Library Stock Verification Processes are regular and counter transactions are computerized using Barcode System. IT policy cover services like, Purchase, Maintenance, Campus Network, Internet Connectivity and Security which is monitored and controlled by System Administrator. Electrical Maintenance, Transport Service, Campus Maintenance and other general amenities are monitored and Maintained. Sports facilities, Gymnasium appliances, Treadmills and other weight training equipments are cleaned, serviced and maintained at regular intervals by the Physical Education Department.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://mec.edu.in/iqac/policies/">https://mec.edu.in/iqac/policies/</a>

## STUDENT SUPPORT AND PROGRESSION

### 5.1 - Student Support

#### 5.1.1 - Number of students benefitted by scholarships and freeships provided by the Government during the year

2156

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

### 5.1.2 - Number of students benefitted by scholarships and freeships provided by the institution and non-government agencies during the year

**2534**

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Institutional data in prescribed format	<a href="#">View File</a>

**5.1.3 - The following Capacity Development and Skill Enhancement activities are organised for improving students' capabilities Soft Skills Language and Communication Skills Life Skills (Yoga, Physical fitness, Health and Hygiene) Awareness of Trends in Technology**

**A. All of the above**

File Description	Documents
Link to Institutional website	<a href="https://mec.edu.in/placement/about-placement/">https://mec.edu.in/placement/about-placement/</a>
Details of capability development and schemes	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 5.1.4 - Number of students benefitted from guidance/coaching for competitive examinations and career counselling offered by the institution during the year

**2895**

File Description	Documents
Any additional information	<a href="#">View File</a>
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	<a href="#">View File</a>

**5.1.5 - The institution adopts the following mechanism for redressal of students' grievances, including sexual harassment and ragging: Implementation of guidelines of statutory/regulatory bodies Creating awareness and implementation of policies with zero tolerance Mechanism for submission of online/offline students' grievances Timely redressal of grievances through appropriate committees**

**A. All of the above**

File Description	Documents
Minutes of the meetings of students' grievance redressal committee, prevention of sexual harassment committee and Anti-ragging committee	<a href="#">View File</a>
Details of student grievances including sexual harassment and ragging cases	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

## 5.2 - Student Progression

### 5.2.1 - Number of outgoing students who got placement during the year

652

File Description	Documents
Self-attested list of students placed	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

### 5.2.2 - Number of outgoing students progressing to higher education

15

File Description	Documents
Upload supporting data for students/alumni	<a href="#">View File</a>
Details of students who went for higher education	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 5.2.3 - Number of students qualifying in state/ national/ international level examinations during the year

#### 5.2.3.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year

138

File Description	Documents
Upload supporting data for students/alumni	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 5.3 - Student Participation and Activities

#### 5.3.1 - Number of awards/medals for outstanding performance in sports and/or cultural activities at inter-university / state /national / international events (award for a team event should be counted as one) during the year

23

File Description	Documents
e-copies of award letters and certificates	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

#### 5.3.2 - Presence of an active Student Council and representation of students in academic and administrative bodies/committees of the institution

Institution has active Student representation on academic and administrative committees. Students are Members in the Academic Council Meeting, Board of Studies, Department Association and Class Committee. Students are responsible in providing the feedback about Teaching Learning Process. The Members of the Class Committee

collects feedback and support to improve the Academic performance. Library Committee comprises of Senior Faculty Members. The Student members are also part of the Library Committee, will collect the requirements and suggestions from the students for the updation in the Library.

Anti-Ragging Committee Student Members ensure the ragging less environment. Student Members collect the suggestions about the Quality and Cleanliness of the Canteen and Hostel facilities and discuss in the meeting for Improvement. In addition, Students are members in Grievance Redressal Committee, Discipline and Welfare Committee, IQAC composition, Institution's Innovation Council, Training and Placement, Higher Education Cell, Women Empowerment Cell and Yoga and Meditation Club. It promotes uniqueness within the students and integrate Moral Values and Self-Acceptance through awareness programs.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://mec.edu.in/about-us/committees/">https://mec.edu.in/about-us/committees/</a>

### 5.3.3 - Number of sports and cultural events / competitions organised by the institution

57

File Description	Documents
Report of the event	<a href="#">View File</a>
List of sports and cultural events / competitions organised per year	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

### 5.4 - Alumni Engagement

5.4.1 - The Alumni Association and its Chapters (registered and functional) contribute significantly to the development of the institution through financial and other support services

- Alumni Association was registered in 2005 (Registration Number 02/2005)
- Total number of Alumni registered is more than 10000
- Alumni Meet is organized in the Institution
- 124 Alumni Interaction and Mentoring has been organized
- Alumni are invited to be the Members in Academic Council and

**Board of Studies**

- Alumni feedback based on curriculum and facilities are collected, analyzed and proper action is taken
- Alumni are involved in the developmental activities of the department through Students Mentoring, Internship, Project Support and Career Guidance
- Alumni Contribution in terms of Financial Support is 18,12,000 rupees
- Alumni are invited as experts for various student technical programs and competitions

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://alumni.mec.edu.in/">https://alumni.mec.edu.in/</a>

**5.4.2 - Alumni's financial contribution during the year**

A. ? 15 Lakhs

File Description	Documents
Upload any additional information	<a href="#">View File</a>

**GOVERNANCE, LEADERSHIP AND MANAGEMENT****6.1 - Institutional Vision and Leadership**

6.1.1 - The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the Institution

The Governing Council constituted with the nominees from Management, Teachers of the Institution, Educationist, Industrialist, UGC Nominee, State Government Nominee, University Nominee and Principal of the Institution. The Governing Council meets once in a year and the Principal presents the agenda and notes covering the Milestones, Achievements and Challenges. The suggestions from the members are adopted into the system focusing on the Continuous Growth and Development. Various Committees are constituted for Planning, Implementation and Monitoring of Academic, Administrative, Finance and other related activities in the Campus.

The Institution has a perspective plan for development. Modernization of the existing facilities in align with the Latest Technology, implementation of new ventures for R&D, expansion of Infrastructure by means of additional Value Added Laboratories,

Library Resources, Class rooms, Meeting Halls, ICT Facilities and Sporting Facilities are the usual Criteria in the annual plan of the Institution.

Teachers participate in decision making bodies including Governing Council, Academic Council, Board of Studies, Department Academic Advisory Council, Curriculum Development Committee, Grievance Redressal Committee, Anti-Ragging Committee, Class Committees, Discipline and Welfare, Internal Quality Assurance Cell, Student Counseling and Women Empowerment Cell.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://mec.edu.in/about-us/committees/governing-council/">https://mec.edu.in/about-us/committees/governing-council/</a>

6.1.2 - Effective leadership is reflected in various institutional practices such as decentralization and participative management

#### Decentralization

The Governing Council has empowered and authorized the Principal for the everyday Academic Administration of the Institution. As the Head of the Institution and as the Chairperson of the Academic Council the Principal can take decisions on the academic functioning of the Institution. The Head of the Department has been bestowed with the authority of deciding the activities and delegating the responsibilities to the Staff Members. The Department decides on Timetable, Subject Allocation, Purchase and Maintenance of Equipment and Consumables, Organizing Conferences, Symposia, Guest Lectures and Workshops and recommends necessary Industrial Visits, In-Plant Trainings, Internships and MoUs.

#### Participative Management

The Institution is functioning effectively with the culture of Participative Management which enables the Faculty and Students to give their opinion and suggestions for improvement. All the academic activities are decentralized and decisions are taken based on discussion and deliberations in the Class Committee Meeting, Department Meeting and Faculty Meeting. Every year academic planner is prepared at the closure of the previous Academic Year. Principal will convene the HODs' meeting. HODs, COE, Dean, Training &

Placement, Librarian, Director of Physical Education and Student representatives will attend the meeting. The schedule of the following will be discussed and finalized in the meeting.

- Working Days / Test Days / Model Exam Days/End Semester Exam Days
- Co-Curricular and Extra-Curricular activities

File Description	Documents
Upload strategic plan and deployment documents on the website	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://mec.edu.in/about-us/committees/">https://mec.edu.in/about-us/committees/</a>

## 6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ Perspective plan has been clearly articulated and implemented

The Institution having a five year Strategic Plan which was drafted in the year 2016. It was developed with the suggestions provided by, both Internal and External Stakeholders. The Strategic Plan was prepared for five successive years from 2016-17 to 2020-21. The Institution identified and developed Strategic Plan consists of the important goals keeping creation of knowledge in the mind. They are: Institutional Holistic Development, Infrastructure Development, Faculty Resources, Teaching -Learning: Academic Excellence, Examination Evaluation and Reforms, Research and Consultancy, Student Career Development and Higher Education, Alumni Interaction, Quality Assurance and Sustainability, Library and Information Centre.

### Implementation and Monitoring

Status of the activities are reviewed by Department Academic Advisory Council, Academic Council and Governing Council and the Review Reports are shared to the Members involved to focus on the Strategic Plan.

### Outcomes

Enhancing Student's knowledge in Emerging Technologies through 50 Technology Learning Groups.



## Major Activities

- Identification of various Emerging Areas and guiding Multidisciplinary Projects
- Motivate the Students to choose the interested Emerging Technologies for deeper understanding
- Assigning Group Lead (Faculty Coordinator) to organize the Group Interactions and Reviews
- Preparing articles for Presentation in Symposiums, Conferences and other Competitions
- Organizing Seminars, Expert Lectures, Workshops, TechKnow Talks and Value Added Courses for the benefit of Students

File Description	Documents
Strategic Plan and deployment documents on the website	<a href="#">View File</a>
Paste link for additional information	<a href="https://mec.edu.in/wp-content/uploads/2024/04/Strategic-Plan-2021-26.pdf">https://mec.edu.in/wp-content/uploads/2024/04/Strategic-Plan-2021-26.pdf</a>
Upload any additional information	<a href="#">View File</a>

6.2.2 - The functioning of the various institutional bodies is effective and efficient as visible from the policies, administrative set-up, appointment and service rules, procedures, etc.

The Chairman of the Institution is the highest authority. Secretary, being an Academician with doctoral degree in Mechanical Engineering under Anna University, he directs, monitor and plays a key role in Academic Decision-Making, Administration, and the Institution's overall growth according to the Organogram,. The decision taken and the developmental projects suggested by the Chairman will be executed by the Principal, Deans, COE, HODs, Training and Placement Officer, Physical Director and Office Manager. HODs directs Teaching Faculty and Non Teaching Staff Members.

The Statutory Body and Non Statutory Bodies have formulated policies for appointment of the Teaching and Non Teaching Faculty, Administrative and Supporting Staff. The appointment of any Teaching Faculty is based on the required qualification. The recruitment is done through an advertisement both in Print Media and Digital. The eligible applicants are called for a Selection Process and take up a Technical Test and Presentation. A selection Committee constituted with HOD, Senior Faculty Members and External Experts conducts the interview for the candidates shortlisted after the test. The qualified Faculty Members are selected based on the merit. The

Service Rules have been framed incorporating all the necessary details and disseminated to the entire Teaching and Non Teaching Faculty, Administrative and Supporting Staff.

File Description	Documents
Paste link to Organogram on the institution webpage	<a href="https://mec.edu.in/wp-content/uploads/2023/05/mandatory-disclosure.pdf">https://mec.edu.in/wp-content/uploads/2023/05/mandatory-disclosure.pdf</a>
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://mec.edu.in/wp-content/uploads/2022/04/strategic-plan-2021-26.pdf">https://mec.edu.in/wp-content/uploads/2022/04/strategic-plan-2021-26.pdf</a>

**6.2.3 - Implementation of e-governance in areas of operation: Administration Finance and Accounts Student Admission and Support Examination**

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Documen	<a href="#">View File</a>
Screen shots of user interfaces	<a href="#">View File</a>
Details of implementation of e-governance in areas of operation	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non-teaching staff and avenues for their career development/ progression

The Institution in general takes care of its Employee's Welfare. There are several Welfare Measures in place for the Teaching and Non-Teaching Staff. The Institution encourages a worthwhile Welfare Schemes to all the Teaching and Non-Teaching Staff to boost the morale of the employees and thus make them motivated to work efficiently. Some of the Welfare Measures are

- Incentive for Publication of Research Papers and Books
- Incentive for participating in Technical Events like Workshop, Seminar and Faculty Development Programme, etc
- Incentive for writing NPTEL Exam and NPTEL Toppers

- Special Incentives for the Best Research Work and Seed Money for Research Projects
- Employees are provided Free Transport Facility
- Employees are covered under Medical Insurance Facility
- Institution also provides the facility of Employee Provident Fund (EPF) for its Employees
- Yoga Centre is available inside the Institution to Students and Staffs for performing meditation to keep their mental peace
- Time bound increments to the Teaching and Non-Teaching Staff is the regular activity of the Institution
- In addition, the Institution provides various leave benefits to all the Employees such as Casual Leave, Special Leave, Medical Leave and Maternity Leave
- On Duty to Faculty Members representing the Institution for Academic and Administrative Work

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://mec.edu.in/agar/2022-23/Criterion-6/6.3.1-Audited%20Statement-2022-23.pdf">https://mec.edu.in/agar/2022-23/Criterion-6/6.3.1-Audited%20Statement-2022-23.pdf</a>

### 6.3.2 - Number of teachers provided with financial support to attend conferences / workshops and towards payment of membership fee of professional bodies during the year

289

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	<a href="#">View File</a>

### 6.3.3 - Number of professional development / administrative training programmes organized by the Institution for its teaching and non-teaching staff during the year

73

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

#### **6.3.4 - Number of teachers who have undergone online/ face-to-face Faculty Development Programmes during the year: (Professional Development Programmes, Orientation / Induction Programmes, Refresher Courses, Short-Term Course, etc.)**

272

File Description	Documents
Summary of the IQAC report	<a href="#">View File</a>
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

#### **6.4 - Financial Management and Resource Mobilization**

6.4.1 - Institution conducts internal and external financial audits regularly

Financial Planning and Management is the insight of the Institution in strategizes its growth and development activities. The Institution has a strong Financial Management System in place. Utilization and implementation of the Budget is monitored through Internal and External Auditing. Internal Audit is conducted half yearly basis and External Audit is conducted annually by External Auditor at the end of every financial year.

The Auditors conduct the audit of accounts by, scrutinize and verify all Payments, Receipts and Journals Vouchers of the Transactions, Cash Books, Ledger Account and all bank accounts in every financial year. The Audited Statements of accounts are presented to the Finance Committee and the Governing Council.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://mec.edu.in/aqar/2022-23/Criterion-6/6.3.1-Audited%20Statement-2022-23.pdf">https://mec.edu.in/aqar/2022-23/Criterion-6/6.3.1-Audited%20Statement-2022-23.pdf</a>

#### 6.4.2 - Funds / Grants received from non-government bodies, individuals, and philanthropists during the year (not covered in Criterion III and V) (INR in lakhs)

##### 3.12

File Description	Documents
Annual statements of accounts	<a href="#">View File</a>
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

#### 6.4.3 - Institutional strategies for mobilisation of funds and the optimal utilisation of resources

##### Funds Mobilization

- A major source of revenue for the Institution is from the Tuition Fee collected from the Students as per the guidelines of the State Government
- Students pay the Examination Fee for the End Semester Examinations
- Grants Sanctioned based on the proposals submitted to the Government and Non Government
- Funding Agencies
- Grants through Consultancy activity
- Grants through Alumni Contribution

##### Utilization of Funds

- Department requirements like, Capital Purchase, Consumables, Research, Extension Activities and Innovations
- Expenditure of different Cells viz., R&D Cell, Exam Cell, T&P Cell, ICT, Sports, Seed Money Support, NSS Cell, etc
- Other Budget Provisions - Salary, Statutory requirements like PF, Scholarship, Electricity, Maintenance, Student Welfare, Staff Welfare, Library, Physical Facilities and

**Infrastructure, etc.,**

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://mec.edu.in/agar/2022-23/Criterion-6/6.3.1-Audited%20Statement-2022-23.pdf">https://mec.edu.in/agar/2022-23/Criterion-6/6.3.1-Audited%20Statement-2022-23.pdf</a>

**6.5 - Internal Quality Assurance System**

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing quality assurance strategies and processes visible in terms of incremental improvements made during the preceding year with regard to quality (in case of the First Cycle): Incremental improvements made during the preceding year with regard to quality and post-accreditation quality initiatives (Second and subsequent cycles)

The prime objective of the Internal Quality Assurance Cell (IQAC) is to devise Quality Parameters and Benchmarks for the Academic and Administrative Activities of the Institution. Strategies and Processes are implemented for the significant enhancement in the Quality Assurance Process, SeSTA (Semester Wise Students Target Activities) and SeTAF (Semester Target Activities by Faculty) are briefed as samples.

**Practice I: SeSTA (Semester Wise Students Target Activities)**

Students are to be prepared with multiple skills to become Industry ready as well as to face the challenges ahead. In this context, the Students are encouraged to participate in Curricular and Co-Curricular activities. This practice has enhanced the Students Participation and the Skills apart from regular Curriculum Subjects Learning. The Self Confidence and their achievements are improved.

**Practice II: SeTAF (Semester Target Activities by Faculty)**

Faculty Members are encouraged to enhance their profile in terms of Participation in Workshops, Seminars, FDPs, Online Courses, etc,. In this context, achievable targets in all categories of activities are set in consultation with Faculty Members to focus in a Semester and reviewed at the end of the Semester. This practice has improved the Academic Excellence of Faculty.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://mec.edu.in/iqac/">https://mec.edu.in/iqac/</a>

6.5.2 - The institution reviews its teaching-learning process, structures and methodologies of operation and learning outcomes at periodic intervals through its IQAC as per norms

The Internal Quality Assurance Cell ensures the effective implementation of quality initiatives through continuous reviews and periodic meetings. The IQAC works towards realization of the goals of quality enhancement & sustenance in all Academic and Administrative endeavors of the Institution.

#### I. Teaching Learning Process and Practices:

The Institution reviews the Teaching Learning Process, Methodologies and Learning Outcomes at periodical intervals in associating with IQAC. The Teaching and Learning Process is evaluated at various levels such as: Formulation and Attainment of COs, POs and PSOs, Continuous Internal Assessment Tests in regular intervals, Effectiveness of Teaching and Learning Process is analyzed through Feedback Mechanism. The structured feedback is framed for Students, Faculty, Alumni, Employers and Parents. Feedback Analysis and Action Taken Report is reviewed

#### II. Audit Process

Audit is to ensure the effective functioning of the Academic and Administrative Activities for Quality Enhancement. Auditing is carried out at regular intervals as Internal Audit two per year and External Audit one per year. The quality of Teaching-Learning has been improved through auditing process. The following components are verified by the Auditors at the time of auditing to ensure the continuous improvement, Teaching - Learning Process, Research, Student Support and Progression, Infrastructure Facilities, Examinations System, Feedback Systems and Extension and Outreach Activities

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://mec.edu.in/wp-content/uploads/2023/11/Academic-Audit-Report-2022-23.pdf">https://mec.edu.in/wp-content/uploads/2023/11/Academic-Audit-Report-2022-23.pdf</a>

**6.5.3 - Quality assurance initiatives of the institution include Regular meeting of the IQAC Feedback collected, analysed and used for improvement of the institution Collaborative quality initiatives with other institution(s) Participation in NIRF Any other quality audit recognized by state, national or international agencies (such as ISO Certification)**

**A. Any 4 or all of the above**

File Description	Documents
Paste the web link of annual reports of the Institution	<a href="https://mec.edu.in/wp-content/uploads/2024/02/IQAC_Annual-Report_2022-23.pdf">https://mec.edu.in/wp-content/uploads/2024/02/IQAC_Annual-Report_2022-23.pdf</a>
Upload e-copies of accreditations and certification	<a href="#">View File</a>
Upload details of quality assurance initiatives of the institution	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

## **INSTITUTIONAL VALUES AND BEST PRACTICES**

### **7.1 - Institutional Values and Social Responsibilities**

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

Institution strives to sensitize the gender equity among the student community. Courses on Life Skills and Workplace Psychology and Human Rights are integrated in the curriculum for gender sensitization among the students. Women Empowerment Cell conducts awareness programs like Adolescent Healthcare, Self Defence, Hygiene & Hygiene, Women Entrepreneurship, Legal Rights and International Women's Day are regularly organized in the campus by the faculty members to make them aware towards women issues. The female faculty members, staff and students are informed to attend the programs on



gender sensitization. Female Students are involved in various Committees, Clubs and forum

**Safety and Security**

- Campus has 170 Surveillance Camera for 24 x 7
- 100 Fire Extinguishers are installed at various locations
- Medical Center and Ambulance
- Exclusive Gym for Girls
- Yoga and Meditation Club created for Mental Fitness
- Anti-Ragging Committee, Grievance Redressal Committee, Sexual Harassment Committee and Disciplinary Committee ensure safety and security in the campus

**Counseling**

- Mentor-Mentee System is in practice for the improvement of academic associated activities for the students
- Senior faculty members are involved in counseling the students on their personal and mental related matters
- Counseling is done based on need basis for deserving students and informed to parents
- Medical practioners are involved to counsel the girls students adolescence

**Common Room :** Facilities are available for both Girls and Boys students in the campus

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://mec.edu.in/aqar/2022-23/Criterion-7/7.1.1-Annual-Gender-Sensitization-2022-23.pdf">https://mec.edu.in/aqar/2022-23/Criterion-7/7.1.1-Annual-Gender-Sensitization-2022-23.pdf</a>

**7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation: Solar energy      Biogas plant  
Wheeling to the Grid   Sensor-based energy conservation Use of LED bulbs/ power-efficient equipment**

**A. Any 4 or All of the above**

File Description	Documents
Geotagged Photographs	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

7.1.3 - Describe the facilities in the institution for the management of the following types of degradable and non-degradable waste (within a maximum of 200 words)

Institution has facilities for the Degradable and Non-Degradable Waste Management. Awareness programs are conducted under various schemes like Swatch Bharat, Clean India and Jal Shakti Abhiyan

#### Solid Waste Management

Solid Wastes are collected and segregated in various garbage bins. The Biodegradable and Non-Biodegradable wastes are separated. Degradable wastes are utilized for preparing the manure for gardening and farming.

#### Liquid Waste Management

Liquid wastes are collected and processed with treatment plant and treated water is recycled for maintaining the Lawns, Gardens and Trees. RO plant waste is used for the gardening

#### Biomedical Waste Management

Biomedical wastes are received from various sources in the campus includes, Laboratories of Bio Technology, Biomedical Engineering, Medical Electronics and Medical Centre. Wastes are collected, segregated and disposed. Dispensary wastes are disposed using Incinerator.

#### E-Waste Management

E-Wastes generated from Computer, Electronics and Electrical Laboratories are collected and disposed. Certified with Naturevolt Recyclers India Pvt. Ltd. to dispose the E-Waste materials.

#### Hazardous Chemicals and Radioactive Waste Management

The Diluted Acids, Chemicals and Radioactive materials are not used in the labs for practical classes.

#### Waste Recycling System

Solid as well as liquid wastes are recycled to prepare the manure. Recycled water is used for gardening and maintenance purpose

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	<a href="#">View File</a>
Geotagged photographs of the facilities	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

**7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus**

A. Any 4 or all of the above

File Description	Documents
Geotagged photographs / videos of the facilities	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

**7.1.5 - Green campus initiatives include**

**7.1.5.1 - The institutional initiatives for greening the campus are as follows:**

- 1. Restricted entry of automobiles**
- 2. Use of bicycles/ Battery-powered vehicles**
- 3. Pedestrian-friendly pathways**
- 4. Ban on use of plastic**
- 5. Landscaping**

A. Any 4 or All of the above

File Description	Documents
Geotagged photos / videos of the facilities	<a href="#">View File</a>
Various policy documents / decisions circulated for implementation	<a href="#">View File</a>
Any other relevant documents	<a href="#">View File</a>

**7.1.6 - Quality audits on environment and energy undertaken by the institution**

<p><b>7.1.6.1 - The institution’s initiatives to preserve and improve the environment and harness energy are confirmed through the following:</b></p> <ol style="list-style-type: none"> <li><b>1. Green audit</b></li> <li><b>2. Energy audit</b></li> <li><b>3.Environment audit</b></li> <li><b>4.Clean and green campus recognitions/awards</b></li> <li><b>5.Beyond the campus environmental promotional activities</b></li> </ol>	<p><b>A. Any 4 or all of the above</b></p>
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File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	<a href="#">View File</a>
Certification by the auditing agency	<a href="#">View File</a>
Certificates of the awards received	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

<p><b>7.1.7 - The Institution has a disabled-friendly and barrier-free environment: Ramps/lifts for easy access to classrooms and centres Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc. Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.</b></p>	<p><b>A. Any 4 or all of the above</b></p>
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File Description	Documents
Geotagged photographs / videos of facilities	<a href="#">View File</a>
Policy documents and brochures on the support to be provided	<a href="#">View File</a>
Details of the software procured for providing assistance	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e. tolerance and harmony towards cultural, regional, linguistic, communal, socio-economic and other diversities (within a maximum of 200 words).

**Institution takes initiatives to provide inclusive environment for tolerance and harmony towards Cultural, Regional, Linguistic, Communal, Socio-Economic and Other Diversity.**

The Student admission is from Tamilnadu, Andhra Pradesh and other States. The cultural Diversity is shared among the Students are through Cross-Cultural Celebrations. Students from the other States are motivated to participate in the Cultural Festivals of Tamil Nadu. Students of all Regions are encouraged to participate in the Extra-Curricular activities. Tamil Medium Students are provided English Language Teaching to make them comfortable. To enable the students to work across the world, the other foreign languages like, Japanese have been taught in the campus for the interested students

The students are Multi-Religion and Multi-Lingual communities. Annually traditional Pongal Celebrations events are organized through clubs by the Faculty. Interested students participate in the events irrespective of religion and community. The socio-economic barriers are broken through scholarship and other financial supports. Students are provided with different culture of food to keep them adopt.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	<a href="#">View File</a>

7.1.9 - Sensitization of students and employees of the institution to constitutional obligations: values, rights, duties and responsibilities of citizens:

Students and Faculty are sensitized through various activities related to the constitutional obligations: values, rights, duties and responsibilities of citizens Course on Constitution of India is introduced in the Curriculum. In addition, the Courses on Value Education, Yoga and Values for Holistic Development, Universal Human Values: Understanding Harmony and Professional Ethics & Human Values. Awareness Programs are conducted through various clubs/cells on Rights, Values and responsibilities of engineers. Programs on Road Safety, Helmet Awareness, Safe Practices such as Plastic Ban, Water Conservation, Cleanliness and Anti-Pollution.

NSS units play vital role in organizing outreach activities where more students take part to disseminate the information to the public. The significant social activities are conducted for the benefit of Communities like, World AIDS Day, Awareness on National Voters Day, Cleaning Awareness, Tree Plantation, Rain Water Harvesting, Free Eye Camp, Blood Donation Camp and Health Check-up Camp, etc.,

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

**7.1.10 - The institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic sensitization programmes in this regard: The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff Annual awareness programmes on the Code of Conduct are organized**

**A. All of the above**

File Description	Documents
Code of Ethics - policy document	<a href="#">View File</a>
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programmes, etc. in support of the claims	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

#### 7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

Institution celebrates National and International Commemorative Days, Events and important Festivals.

- Independence Day ,Republic Day andGandhi Jayanti are celebrated with enthusiasm Swachh Bharat Mission, Swachh Bharat Abhiyan the Clean India Mission is focused to make Clean Campus.
- Engineers Day is celebrated every year on 15th September to mark the birth anniversary of Sir.M.Visvesvaraya to honor his enormous contributions and innovations in the field of Engineering
- Teachers Day is celebrated every year on 5th September to pay tribute to appreciate and tribute the role played by the Teachers
- National Science Day is celebrated on 28th February to respect our Nobel Laureate and great Indian Physicist Sir.C.V. Raman, which innervate young minds and to impart scientific spirit
- National Mathematics Day is celebrated on December 22nd honouring the Birth Anniversary of mathematical genius Srinivasa Ramanujan by Math Learning Centre.
- World Environment Day is celebrated on 5th June every year and the Environmental Club organizes awareness on Environment and Sustainability to promote Green, Plastic Free Campus
- World Health Day, World Pulses Day, World Cancer Day and World Leprosy Day is celebrated in collaboration with nearby Hospitals
- International Women's Day is celebrated for the Empowerment of Women andInternational Yoga Day is celebrated through Yoga and Meditation Club which focuses on practicing Yoga for Physical and Mental Wellness.

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	<a href="#">View File</a>
Geotagged photographs of some of the events	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

## 7.2 - Best Practices

7.2.1 - Provide the weblink on the Institutional website regarding the Best practices as per the prescribed format of NAAC

### Best Practice - I

#### 1. Title of the Practice: MuDiL - MultiDisciplinary Lectures

#### 2. Objective of the Practice

- To enhance Inter-Departmental Collaboration among Faculty Members and Students
- To encourage the Faculty Members to focus on Multi-Disciplinary Project

#### 3. The Context

Need for Multidisciplinary Learning by the students have become necessary in the recent years .In this context, Multidisciplinary Lectures (MuDiL) are planned to have more inter department interactions.This activity provides opportunity for the faculty members to share their multidisciplinary knowledge with student of various departments.

### Best Practice - II

#### 1. Title of the Practice: ST2-Student Tech Talks

#### 2. Objective of the Practice

- To create an avenue for the students to share their novel ideas to the peer groups
- To facilitate the group discussion activities
- To improve the presentation skills of the students



### 3. The Context

Communication and Presentation Skills of the students are very much important for them to excel in their career. The Students are encouraged to deliver talks to their peer groups to improve their Presentation and Technical Skills. With this prime motto, the Students are given opportunity to choose a topic and prepare for presentation.

File Description	Documents
Best practices in the Institutional website	<a href="https://mec.edu.in/wp-content/uploads/2024/02/Best-Practices_AY2022-23.pdf">https://mec.edu.in/wp-content/uploads/2024/02/Best-Practices_AY2022-23.pdf</a>
Any other relevant information	<a href="https://mec.edu.in/agar/2022-23/Criterion-7/7-2-MuDil-ST2-Best-Practice%20AY%202022-23.pdf">https://mec.edu.in/agar/2022-23/Criterion-7/7-2-MuDil-ST2-Best-Practice%20AY%202022-23.pdf</a>

#### 7.3 - Institutional Distinctiveness

7.3.1 - Highlight the performance of the institution in an area distinct to its priority and thrust (within a maximum of 200 words)

##### Institutional Distinctiveness

##### Knowledge Enhancement Through Online Certification (KETOnCer)

The new technologies and expectation of various stake holders have motivated the faculty and students to enrich themselves with multiple learning activities. Though the faculty and students learn through various activities with academic stream it is expected to expand their learning platforms. National Programme on Technology Enhanced Learning (NPTEL) and other Massive Open Online Courses (MOOC) are considered to be the most reliable and flexible learning environment. This motivates both faculty and students are motivated to register against various MOOC courses to learn and get the certified

As far as the NPTEL Local Chapter (LC) Ratings 2022, significant rewards such as:

- Faculty Domain LCs: Ranked No.1 in the Top Performing

**Institution under Domain Star LC Category with Six Domain Scholars**

- Institution has rated as A Category against Top Performing 100 Institutions by IIT-Madras in the July-Dec 2022 session
- Awarded as Active Local Chapter based on the performance and participation
- Awarded with special Category certificate based on the number of Domain Scholar
- Faculty Performance : Ranked Top 3 under Outside category
- Total NPTEL Stars : 29
- 11 NPTEL Gold Certifications earned by Faculty and Students
- 142 NPTEL Silver Certifications earned by Faculty and Students
- 1998 NPTEL Certifications earned by Faculty and Students
- Bagged with 15 NPTEL Stars under various categories such as NPTEL Believer, Enthusiast, Discipline Star and Motivated Learner Certifications by Faculty Members

File Description	Documents
Appropriate link in the institutional website	<a href="https://mec.edu.in/wp-content/uploads/2024/02/Institutional-Distinctiveness_AY2022-23.pdf">https://mec.edu.in/wp-content/uploads/2024/02/Institutional-Distinctiveness_AY2022-23.pdf</a>
Any other relevant information	<a href="#">View File</a>

**7.3.2 - Plan of action for the next academic year**

- To be within Top 10 Ranks among all Engineering Colleges in Tamil Nadu
- To get all eligible UG Programme Accredited by NBA under Tier-I
- To be Accredited as NAAC A++ Institution
- To march towards University Status
- To achieve 100% Placement for all eligible students
- To focus on more National/International Institution Awards & Ranking
- To sign MoU's with International Universities
- To foster social responsibility in Higher Education for Holistic Development